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TRANSACTIONS OF THE SOCIETY FOR 1873.

Annual meeting of The American Geographical Society, Cooper Institute, New York, January 28th, 1873.

In the absence of Chief-Justice DALY, the President, Col. Conkling, one of the Vice-Presidents, occupied the chair.

The minutes of the last meeting, December 17th, 1872, were read and approved.

Col. F. A. CONKLING, as Chairman, presented the annual report of the Council, which, on motion, was accepted and ordered to be placed on file.

Mr. Henry Clews, the Treasurer, read his annual report, exhibiting a cash balance in the Treasury of \$58.05, and stating that the Society is now entirely out of debt.

On motion, the Treasurer's report was accepted and ordered to be placed on file.

Mr. Elial F. Hall, the Librarian, read his annual report, showing that during the past year 1,356 items had been added to the Society's library and map-room.

On motion, the Librarian's report was accepted, and ordered to be placed on file.

Col. Conkling, as Chairman of the Council, then reported the names of the following candidates as having been approved for election:

As resident member, Jno. J. Casey; by Mr. Robert Dodge, Dr. J. T. Rothrock, Wilkesbarre, Pa.

No ballot being called for, on motion these gentlemen were declared duly elected resident and corresponding members.

The Recording Secretary then read the amendments to the existing by-laws of the Society as proposed at the last monthly meeting on December 17th, 1872.

On motion, these amendments were accepted, and the by-laws so amended declared to be in force.

Dr. Richards, as Chairman of the Nominating Committee, then reported that the names of the following gentlemen are recommended for election as officers of the Society for the ensuing year :

For President :

CHARLES P. DALY, LL. D.

For Vice-Presidents :

F. A. CONKLING, FRANCIS A. STOUT,
T. BAILEY MYERS.

For Foreign Corresponding Secretary :

JAS. MÜHLENBERG BAILEY.

For Domestic Corresponding Secretary :

W. H. H. MOORE.

For Recording Secretary :

E. R. STRAZNICKY, M. D., PH. D.

For Treasurer :

HENRY CLEWS.

Council :

WILLIAM REMSEN, GEO. W. CULLUM, U. S. A.
W. TILDEN BLODGETT, GEO. CABOT WARD,
WILLIAM E. CURTIS, ELIAL F. HALL,
THEO. W. DWIGHT, LL. D., THEODORE ROOSEVELT,
WM. JONES HOPPIN.

The President then appointed Messrs. John W. Hamersley and Clinton Gilbert as tellers, who reported that the names of the gentlemen as recommended on the ticket were unanimously elected.

On motion, they were then declared duly elected officers of the Society for the year 1873.

The President then introduced to the Society Dr. Augustus Le Plongeon, who read a paper "On the Coincidences between the Monuments of Ancient America and those of Assyria and Egypt".

After the conclusion of the paper, and on motion of Dr. Richards, the thanks were presented to Dr. Le Plongeon, and a copy of the paper requested for the archives of the Society.

On motion, the meeting then adjourned.

Special meeting of The American Geographical Society, Cooper Institute, New York, February 17th, 1873.

Col. F. A. CONKLING, one of the Vice-Presidents, occupied the chair.

On motion of Mr. Stout, the reading of the minutes of the last annual meeting, January 28th, 1873, was postponed.

Col. T. B. Myers asked the privilege of nominating Mr. Henry Grinnell, for so many years one of the Vice-Presidents of this Society, as an honorary member without the usual reference to the Council.

On motion, it was unanimously

Resolved, That Mr. Henry Grinnell be, and is hereby declared, an honorary member of this Society.

The Chairman then introduced to the audience Chief-Justice Charles P. Daly, the President, who delivered the annual address, and selected for his subject "The Geographical Work of the World in 1872".

After the conclusion, the Rev. Dr. Bellows, seconded by Mr. Stout, moved the thanks to Chief-Justice Daly for his elaborate and highly instructive and entertaining address, and requested that a copy be furnished for publication in the Journal.

On motion, the meeting then adjourned.

Regular monthly meeting of The American Geographical Society, Cooper Institute, New York, March 25th, 1873; Chief-Justice DALY, the President, in the chair.

The minutes of the two previous meetings, January 28th and February 17th, were read and approved.

Mr. Moore, on behalf of Council, reported the names of the following candidates as having been approved for election as resident members: John B. Rich, M. D.; Chas. E. Strong, Frederick De Peyster, John E. Gavit, John T. Johnson, Frederick Sturgis, Lieut. J. D. J. Kelley, U. S. N.; Moritz Ellinger, N. P. Bailey, Thomas E. Slevin, Mrs. Sylvanus Reed, A. G. Remington, Major-Gen. Quincy A. Gilmore, U. S. A.; Eaton S. Drone, James M. Smith, Jr., James C. Spencer, David Lydig, Judge John J. Freedman, Samuel P. Garvin, Chief-Justice John M. Barbour. And as corresponding members: Lieut. Geo. M. Wheeler, U. S. Corps of Engineers; Gen. W. Milnor Roberts, Chief Engineer, N. P. R. R.; Prof. F. V. Hayden, U. S. Geological Survey of the Territories, Washington, D. C.; Prof. Benj. Peirce, Superintendent U. S. Coast Survey, Washington,

D. C.; Major-Gen. A. A. Humphreys, U. S. A., Chief of Engineers, Washington, D. C. No ballot being called for, on motion these candidates were declared elected resident and corresponding members.

Mr. Hall, on behalf of the Treasurer, read his monthly report, exhibiting a cash balance in the hands of the Treasurer of \$251.39.

The Recording Secretary reported that since the last report was rendered 337 items were added to the library by donation.

On motion, both these reports were accepted and ordered to be placed on file.

The President then introduced to the Society Alvan S. Southworth, Esq., who read a paper on "The Soudan and the Valley of the White Nile".

After the conclusion of the reading of this paper, and on motion of Prof. Harrison, seconded by Dr. Gardner, the thanks of the Society were presented to Mr. Southworth for his very entertaining and instructive paper, and a copy of it requested for publication in the Journal.

The President then introduced to the audience Henry M. Stanley, Esq., the distinguished traveller in Central Africa who had found Dr. Livingstone, who made some very interesting remarks about the country traversed by Mr. Southworth.

On motion, the meeting then adjourned.

Regular monthly meeting of The American Geographical Society, held at the hall of the New York Historical Society, New York, April 15th, 1873; Chief-Justice DALY, the President, in the chair.

The minutes of the last meeting, March 25th, were read and approved.

Col. F. A. CONKLING, Chairman of the Council, reported the names of the following candidates as having been approved for election as resident members: Franklin H. Delano, John A. Weeks, and Rev. C. C. Adams, of Manhattanville.

No ballot being called for, on motion these gentlemen were declared duly elected resident members of the Society.

Mr. Hoppin, on behalf of Mr. Henry Clews, the Treasurer, presented his report, exhibiting a cash balance in the hands of the Treasurer of \$222.81.

The Recording Secretary reported the following accessions to the library and map-room of 73 items.

On motion, both reports were accepted and ordered to be placed on file.

The Recording Secretary then read a letter from the Rev. Mr. Albert Bushnell, a missionary at the Gaboon, in Western Equatorial Africa, and corresponding member of this Society, wherein Mr. B. presents a very interesting account of the present explorations by the French and English governments.

On motion of Mr. Hall, it was

Resolved, That the thanks of the Society be presented through the Recording Secretary to the Rev. Mr. Bushnell for his interesting letter, and that the same be published in the forthcoming volume of the Society's Journal.

The President then introduced to the Society Gen. John Gibbon, U. S. A., who read a paper on "The Wonders of the Yellowstone," illustrated by stereoscopic views.

On motion of the Hon. Judge Peabody, thanks were presented to General Gibbon for his very interesting and instructive paper, and a copy of it was requested for publication in the Journal.

On motion, the meeting then adjourned.

Regular monthly meeting of The American Geographical Society, held at the hall of the New York Historical Society, November 11th, 1873, Chief-Justice DALY, the President, in the chair.

On motion of Mr. Rensen, the reading of the minutes of the last monthly meeting, April 15th, 1873, was postponed.

Mr. Elial F. Hall, on behalf of the Chairman of the Council, reported the names of the following candidates as having been approved for election :

Resident Members — C. T. Raynolds, O. Howard Blood, Baron Lohenstein, Judge Freeman J. Fithian, B. F. Reinhart, Julian Scott, William E. Worthen, Joseph Wiener, M. D.

Honorary Members — Sir Samuel W. Baker, Lady Baker, His Highness Ismail Pacha, Khédive of Egypt; Clements R. Markham, C. B., Secretary Royal Geographical Society, London.

Corresponding Members — General Kirkham, at Adowa, Abyssinia; George M. Stanley, Ashantee; George Sauer, Paris; Wm. J. McLean, Bombay, India; Dr. George W. Hosmer, London; General F. A. Starring, Herr Hansell, Imperial Austrian Consul at Khartoum; Ismail Pacha, Governor-General of the Soudan; Douglass Gibbs, Alexandria, Egypt; Lieut. Frederick Collins, U. S. N.; J. A. MacGahan, Central Asia; Mr. John P. Jackson, Berlin; Eugene Schuyler, St. Petersburg.

No ballot being called for, on motion they were declared duly elected honorary, corresponding, and resident members.

Mr. Remsen, on behalf of the Treasurer, Mr. Henry Clews, presented his monthly report, exhibiting a cash balance in the treasury of \$182.95.

On motion, the report was accepted, and ordered to be placed on file.

The President then read the translation of a letter addressed to him by Vice-Admiral de la Roncière Le Noury, President of the Geographical Society of Paris, announcing the death of their late and distinguished president, the Marquis de Chasseloup Laubat.

The President now introduced to the Society Lieut. Frederick Collins, U. S. N., who read a paper entitled "The Isthmus of Darien and the Valley of the Atrato, considered with Reference to the Practicability of an Interoceanic Canal".

After the conclusion of the reading of this paper, and on motion of Simon Stevens, Esq., seconded by the Hon. Samuel B. Ruggles, the thanks of the Society were presented to Lieut. Collins for his very able and exhaustive paper, and a copy of it was requested for publication in the Journal.

The Hon. Samuel B. Ruggles, in seconding the motion of thanks, called the attention of the Society to the very great importance of such a canal, and submitted the following resolutions:

Resolved, That this meeting, now assembled in the city of New York, at the invitation of The American Geographical Society, after listening with instruction and pleasure to the interesting report read by Lieut. Collins, of the Navy of the United States, fully recognizes the high necessity of an interoceanic canal of sufficient size to permit the passage of ships of heavy burden between the Atlantic and Pacific oceans within the territories of New Granada, Colombia, Guatemala, or Mexico,—a necessity daily becoming more and more urgent by the rapidly expanding commerce of the globe.

Resolved, That, in view of the various efforts already made by the governments and citizens of the United States and of other nations to find a practicable route for such a canal, which shall cheapen and expedite commercial intercourse between the different quarters of the globe, the meeting hereby recommends to this Society to collect and collate all the information within reach in respect to any or either of these routes, for the use of its members and the community. For such purpose the meeting refers the duty to a special committee, consisting of the President, General Secretary,

and three members of the Society, or other individuals to be designated by the President.

These resolutions, after having been seconded by Mr. Henry E. Pierrepont, were unanimously adopted, and the President has named the following committee, as provided for in the resolution: Hon. Samuel B. Ruggles, Chairman; Chief-Justice Daly, President of the Society; Gen. Geo. W. Cullum, U. S. A., and Alvan S. Southworth, General Secretary.

Mr. Geo. Cabot Ward presented a resolution expressing the deep regret of the Society on learning of the death of their late fellow-member, Cassius Darling.

Judge Wm. E. Curtis, in seconding the resolution, paid an eloquent tribute to the memory of the deceased, and the resolution was then unanimously adopted.

On motion, the meeting then adjourned.

Regular monthly meeting of The American Geographical Society, held at the hall of the New York Historical Society, New York, December 16th, 1873; Chief-Justice DALY, the President, in the chair.

On motion of Mr. Remsen, the reading of the minutes of the two previous meetings, April 15th and November 11th, 1873, was postponed.

Mr. Moore, on behalf of Council, read the report recommending the following candidates for election:

Corresponding Members — Commander E. P. Lull, U. S. N.; Commander F. H. Baker, U. S. N.

Resident Members — Charles H. Coster, Dr. J. T. Shaw, Emil Sauer, Samuel Remington, Frederick G. Gedney, Hon. John M. Francis, Gouverneur Morris, Jr., C. W. Nassau, Yokichi Yamada, James F. Dwight, Alvan S. Southworth, James F. Bradford, Frank R. Sturgis, John J. Latting, C. B. Moore, C. W. Hull, Frederic Neilson, Lorenzo Ullo.

No ballot being called for, on motion they were declared duly elected members of the Society.

Mr. Elial F. Hall, on behalf of the Treasurer, Mr. Henry Clews, read his monthly report, exhibiting a cash balance in the treasury of \$341.47.

On motion, the report was accepted, and ordered to be placed on file.

On motion of Mr. Remsen, the following Special Committee of

three was appointed by the President to prepare suitable nominations for the election of officers for the ensuing year, to wit: Messrs. A. K. Gardner, M. D., Horatio M. Allen, and Prof. Charles A. Joy.

Mr. Francis A. Stout proposed the following amendments to the by-laws :

Resolved, That the first section of chapter 3 of the by-laws be amended as follows :

The Society shall consist of fellows, and of honorary, corresponding, and ex-officio members.

That the present first and second paragraphs shall be stricken out.

That the words "resident" and "non-resident" shall be stricken out of the sixth paragraph, and the words "fellows and" shall be inserted instead, and that the paragraphs of said chapter shall be renumbered so as to correspond with these changes.

That in chapter 4, paragraph 1, line 2, the words "resident member" shall be stricken out and the word "fellow" inserted instead; and the words "and for a non-" in said line and the whole of the third line down to the word "to" shall be stricken out.

In line 1 of paragraph 2 the words "resident member" shall be stricken out and the word "fellow" substituted; and the whole of the second line, excepting the words "five dollars", shall be stricken out, and also in the third line the words "half" and "both"; and the punctuation of this paragraph shall be altered to correspond with these changes.

In paragraph 3 of said chapter the word "fellow" shall be substituted for the word "member". In the next line, the word "fellowship" for "membership"; and in the third line, the words "if a resident member". After the word "dollar" strike out the succeeding words of the paragraph.

In paragraph 4 the words "resident or non-resident member" shall be stricken out, and the word "fellow" inserted instead; and in the fourth line of that paragraph the word "members" shall be stricken out and the word "fellows" substituted; and wherever the words "member" and "non-member" occur in the by-laws, the word "fellow" shall be substituted; and the phraseology shall be changed, whenever necessary, to accord with the spirit of these resolutions.

In accordance with the existing by-laws and on motion the above proposed amendments to the by-laws were laid on the table, to be taken up for action at the next regular meeting of the Society.

The President then alluded in very feeling words to the loss which science had sustained in the untimely death of Prof. Agassiz.

On motion of Mr. John E. Body, it was

Resolved, That a special committee of three be appointed by the President to draw up suitable resolutions and to present them to the next meeting.

The President then introduced to the Society Mr. George Ken-

nan, who read a paper on "The Mountains and Mountaineers of the Eastern Caucasus", which was illustrated by stereoscopic views.

After the conclusion, and on motion of General Wilson, seconded by Mr. Hall, the thanks of the Society were presented to Mr. Kennan for his very interesting and instructive paper, and a copy of it was requested for publication in the Bulletin.

On motion, the meeting then adjourned.

Special meeting of the Society, held December 23d, 1873, at the rooms of the Society, Cooper Institute; Chief-Justice DALY in the chair.

Col. F. A. Conkling nominated the following gentlemen, on behalf of the Council, as members. They were unanimously elected :

Resident Members — H. Albert, Thomas M. Farrell, Theodore Glaubenskle, James Jackson, Jr., Joseph Koch, George Kennan, James N. Platt, Elias Plum, Col. D. A. Robertson, E. H. Roberts, E. Delafield Smith.

Corresponding Members — Col. E. C. Boudinot, Venita, Cherokee Nation; John Schumacher, Altona, Germany.

General James H. Simpson, Corps of Engineers, U. S. Army, read a paper on Aztec ruins explored by him in New Mexico, and on Vasquez de Coronado's march, in 1540-42, in search of the seven cities of Cibola.

Col. E. C. Boudinot delivered an address on the Indian Territory and its inhabitants.

Dr. A. K. Gardner moved that a vote of thanks be presented to both speakers, and that copies of their papers be requested for publication. Adopted.

Dr. A. K. Gardner moved that the question as to whether the civilized Indians of the United States were properly treated by the government be referred to the Council and President, with power. Adopted.

On motion, the meeting then adjourned.

ANNUAL REPORT OF THE COUNCIL FOR 1873.

ROOMS OF THE AMERICAN GEOGRAPHICAL SOCIETY, }
COOPER UNION, NEW YORK, Jan. 13th, 1874. }

Agreeably to chapter six, section three of the by-laws of the Society, the Council have the honor to submit the following gen-

eral report of their proceedings and of those of the Society during the past year.

Since the date of the last annual report, nine stated meetings of the Council and seven meetings of the Society have been held.

At the last annual meeting of the Society, which was held on the 28th of January, 1873, the present Board of Officers was elected. On that occasion Dr. Augustus L. Plongeon read a paper on "The Coincidences between the Monuments of Ancient America and those of Assyria and Egypt".

On February 17th, the President of the Society delivered the annual address on "The Geographical Work of the World in 1872".

On March 25th, Alvan S. Southworth, Esq., read a paper on "The Soudan and the Valley of the White Nile".

On April 15th, Major-General John Gibbon, U. S. A., delivered an address on "The Wonders of the Yellowstone", which was illustrated by stereoscopic views.

On November 11th, Lient. Fred. Collins, U. S. N., read a paper, illustrated by stereoscopic views, entitled "The Isthmus of Darien and the Valley of the Atrato, considered with Reference to the Practicability of an Interoceanic Canal".

On December 16th, George Kennan, Esq., read a paper on "The Mountains and Mountaineers of the Eastern Caucasus", which was illustrated by stereoscopic views of scenery and groups of the natives. Various costumes, implements of domestic economy, and of warfare were exhibited.

On December 23d, Brig.-Gen. James H. Simpson, of the Corps of Engineers, U. S. A., read a paper on the Aztec ruins explored by him in New Mexico, and on Vasquez de Coronado's march, in 1540-42, in search of the seven lost cities of Cibola.

Total number of members, 626.

The annual report of the Treasurer, Henry Clews, Esq., exhibits a satisfactory condition of the finances of the Society. The private subscription, which has been in operation during the last two years, is expected to yield, this year, the sum of \$1,200 in addition to the regular income of the Society.

The Recording Secretary, to whom the "charge of the rooms of the Society" is committed by the by-laws, has not prepared a written report; but the large additions which have been made to the library by donations from all parts of the world prove that the system of exchanges, which was instituted some years ago, with scientific and learned societies, both at home and abroad, has produced the most satisfactory results.

At the Vienna Exposition, the medal of progress was awarded to the Society for the extensive and valuable collection of geographical and statistical works which was there exhibited. This flattering testimonial was largely due to the agency of Francis A. Stout, Esq., one of the Vice-Presidents of the Society, to whom was personally awarded the medal of cöoperation. Besides recording their sense of obligation to Mr. Stout for his generous and self-sacrificing labors in furtherance of this grand exhibition of the world's industry and progress, the Council avail themselves of this occasion to express their thanks to their colleague, James Mühlenberg Bailey, Esq., for his valuable services in preparing the Society's collection for transmission to Vienna.

The Society is especially indebted for valuable contributions of books, atlases, charts, maps, and photographs to Prof. Hayden, of the U. S. Geographical Survey of the Territories. It is also under like obligations to D. C. Gilman, Esq., the President of the University of California; to Prof. H. F. Walling and to Mr. Bartlett, of San Francisco; to Major-Gen. A. A. Humphreys, Chief of Engineers of the U. S. A.; to Rear-Admirals Sands and Davis, U. S. N.; to Profs. Nourse and Coffin, of the U. S. Observatory at Washington; and to Messrs. Watkins, Muybridge, and Houseworth, of San Francisco.

For the purpose of enabling the Society to complete and maintain its collections of maps and charts, and works upon foreign countries, the following marine insurance companies of this city have generously contributed the aggregate sum of \$500, to wit: the Atlantic Mutual Insurance Company, the Mercantile Insurance Company, the Union Insurance Company, the Orient Insurance Company. The sole condition of this appropriation of money is that the collections of the Society be held, at all reasonable hours, subject to the inspection and study of the officers and agents of the above-mentioned companies.

The Council take pleasure in recording anew their sense of obligation to Peter Cooper, Esq., and to the board of trustees of the Cooper Union, for the courtesy and liberality of their dealings with the Society, and especially for the free use of the spacious apartments which have, for so many years, been appropriated to our occupancy.

F. A. CONKLING,
Chairman of the Council.